In the Specification:

Please amend the specification as follows:

Please replace the paragraph beginning on page 22, line 1, with the following rewritten paragraph:

If the decision result in the step S9 is YES, a step S17 sets the power of the light source of the light beam emitted from the optical head 3 to a read/write/erase power which is dependent on the test track of the magneto-optical disk 172. Moreover, a step S18 calculates a read/write/erase slice level for detecting the off-track, for the test track of the magneto-optical disk 172, and the process advances to the step S19. The write/erase slice level for detecting the off-track for the test track is normally set to a value which is greater than (for example, two times) the write/erase slice level for detecting the off-track during the normal write/erase process, so ~~tat~~that the off-track is monitored under a relaxed condition.

Please replace the paragraph beginning on page 27, line 5, with the following rewritten paragraph:

If the decision result in the step S9 is YES, the step S17 sets the power of the light source of the light beam emitted from the optical head 3 to a read/write/erase power which is dependent on the test track of the magneto-optical disk 172. Moreover, a step S18-1 calculates a write/erase slice level for detecting the shock, for the test track of the magneto-optical disk 172, and the process advances to the step S19-1. The

write/erase slice level for detecting the shock for the test track is normally set to a value which is greater than the write/erase slice level for detecting the shock during the normal write/erase process, so ~~tat~~that the shock is monitored under a relaxed condition.

Please replace the paragraph beginning on page 28, line 24, with the following rewritten paragraph:

The off-track detection function of the first embodiment includes the filtering function of the noise filter 101 for eliminating the media noise of the magneto-optical disk 172, and a time delay of the off-track detection by the firmware of the DSP 116 is unavoidable. For this reason, if the optical ~~had~~head 3 moves at a high speed due to the external vibration or shock applied to the magneto-optical disk unit, there is a possibility ~~tat~~that the light beam has already approached the adjacent track by the time the off-track is detected. Therefore, it is possible to monitor the off-track under a more severe condition by decreasing the write/erase slice level for detecting the off-track and by decreasing the filter time constant of the noise filter 101, so that it is possible to detect even a small deviation of the off-track at a high speed. However, when the off-track is monitored under the severe condition, the media noise is consequently also monitored under the severe condition, and it becomes difficult to improve the productivity of the magneto-optical disk 172. Hence, in this second embodiment, the external vibration or shock is monitored, and the write/erase process is discontinued when the monitored

external vibration or shock exceeds a reference value, so as to prevent data destruction on the magneto-optical disk 172.

Please replace the paragraph beginning on page 30, line 22, with the following rewritten paragraph:

FIG. 10 is a flow chart for explaining the firmware process of the MPU 112 and the DSP 116 for a case where the write command is issued from the host unit. When the write command is issued by the step S53 shown in FIG. 9 and the process shown in FIG. 10 is started, a step S61 sets a write mode flag to the memory 118. A step S62 carries out the process at the time of the seek of the first embodiment described above in conjunction with FIG. 4 or, the process at the time of the seek of the second embodiment described above in conjunction with FIG. 6, and notifies the number of retries to the MPU 112. A step S63 decides whether or not the process ends by a normal end, and the process ends by an abnormal end if the decision result in the step S63 is NO. On the other ~~and~~hand, if the decision result in the step S63 is YES, a step S64 sets write parameters and commands in the formatter 114-1, and the process ends by a normal end.